"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAITOV, R. Kh.

USSR - Parasitology - Parasitic Worms.

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19617 G-1

Author : Khaitov, R.
Inst :
Title : Epizootology of Amphistomatoidea in Sheep of the Samarkand Region.

Orig Pub : Nauchn. tr. Uzb. s.-kh. in-t, 1956, 10, 91-99

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

USSR

Abs Jour : Ref Zhur - Biologiya, No 22, 1958, No 99601 G

Author : Khaitov, R.Kh.
Inst : Uzbek Agricultural Institute.
Title : Seasonal Dynamics of Oribatei Mites in the Narpayskiy Rayon of the Samarkandskaya Oblast.

Orig Pub : Nauchn.tr.Uzb.s.-kh.in-t, 1956,10,101-106.

Abstract : Investigations were carried out on 4 types of pastures. Two distant pasture types - steppe and foothills zones where cattle spend the spring and the summer season, and the pasture of the fall-winter period - areas requiring irrigation, so-called "kurugi" and sugar beet fields, exploited following the harvest. The miminal density of population of Oribatei mites for all types of pastures is noted in January and July. The greatest number of populations occurs on irrigated lands and in the foothill

Card 1/2

USSR

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAITOV, R.Kh.; AZIMOV, Sh.A.

Systematic worming of sheep to control monieziasis. Izv. AN Uz. SSR no. 10:87-91 '56. (MIRA 14:5)

(Sheep--Diseases and pests) (Tapeworms)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

ACC NR: AP7006269 SOURCE CODE: UR/0425/66/009/012/0032/0036

AUTHOR: Giller, Yu. Ye.; Khaitova, L. T.

ORG: Institute of Plant Physiology and Biophysics, AN TadzSSR (Institut fiziologii i biofiziki rasteniy AN TadzSSR)

TITLE: Optical properties of a synthetic pigment-lipoprotein complex

SOURCE: AN TadzhSSR. Doklady, v. 9, no. 12, 1966, 32-36

TOPIC TAGS: photosynthesis, photosynthesis pigment, chlorophyll, carotene, lipid, protein, synthetic photosynthesis complex, pigment lipoprotein complex, optic property

ABSTRACT: The results are reported of a study of the spectral properties of a synthetic complex of pigments which perform photosynthesis in plants (chlorophylls a and/or b, carotene) with mill protein. This complex also contained lipids. Thus, this artificial system was similar in composition to natural chloroplast pigment-protein-lipid complexes. The preparation of the complex is described in the article by Sapozhnikov, D. I., D. Tolibekov and Yu. Ye. Giller (AN TadzSSR, Izv., Otd. Biologicheskikh nauk, No. 2(23), (1966),48). Chromatographically purified pigments of spectroscopic purity grade and acetone extracts of

Card 1/3

UDC: none

ACC NR: AP7006269

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

dried nettle leaves were used for the study. Spectra of diffused reflection, and fluorescent spectra were recorded and studied. The results obtained were compared with the spectra of the live Tradescantia leaves or absorption spectra of the pigments in acetone solution. The dependence of the position of the spectral maxima and minima on the pigment concentration was determined. The results obtained, i.e., the shift of the minima of the reflexion spectra and of the maxima of the fluorescent spectra toward the red end indicate that the spectral properties of the synthetic complex are similar to those of the live green leaves. With respect to numerical values of the ratios of the intensities of the long-wave and the short wave maxima in the fluorescent spectra, the synthetic complexes stand between the chlorophyll solutions and live green leaves. The alternative increase and decrease of the intensity of the short-wave maximum in the fluorescent spectra which take place with a decrease in concentration indicate that an aggregate form of chlorophyll is present in the complex together with the monomer form: the above-mentioned fluctuations in the intensity are caused by the readsorption phenomenon and by the fluctuating in the concentration of the fluorescent monomer form. The red shift in the spectra of the complex is analogous to that of chlorophyll adsorbed on

Card 2/3

ACC NR: AP7006269

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAIUTIN, S.M., prof.; REMIZOV, M.S., k.m.n.

Clinical picture and treatment of tuberculous diseases of the uveal tract. Khirurgiia 16 no.1:117-122 '63.

(TUBERCULOSIS OCULAR) (UREA)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAK, L., kand. tekhn. nauk; YATSENKO, V., kand. tekhn. nauk, starshiy nauchnyy sotrudnik

Measuring the stress acting on the shaft line thrust bearing during ship operations. Mor. flot 22 no.10:25-28 O '62. (MIRA 15:10)

1. Zaveduyushchiy kafedroy Dal'nevostochnogo politekhnicheskogo instituta imeni Kuybysheva (for Khak). 2. Odesskiy institut inzhenerov morskogo flota (for Yatsenko).

(Shafting) (Strains and stresses)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAK, L.A., kand.tekhn.nauk, dotsent

Dynamic balancing of rigid rotors. Vent. mashinostr. 44 no. 4: 19-20 Ap '64. (MIRA 17:5)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKALO, B. P.

"Methods of Designing Structural Constructions by Taking Account of the Elastic Pliability of the Supports." Acad Architecture Ukrainian SSR, Kiev, 1955 (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKALO, B.P., kandidat tekhnicheskikh nauk.

Calculating girders on elastic supports by the method of gradual approximation. Nov. v stroi. tekh. no.7:145-164 '55. (MLRA 9:11)

1. Nauchno-issledovatel'skiy institut stroitel'noy tekhniki Akademii arkhitektury Ukrainskoy SSR.
(Girders)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKALO, B.P.

SOSIS, P.M.; KHAKALO, B.P.; DANILKINA, N., red.; IOAKIMIS, A., tekhn.red.

[Calculation of continuous and crossed girders] Raschet neraznreznykh i perekrestnykh balok. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1958. 161 p.
(Girders) (MIRA 11:6)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKBERDYYEV, M., Cand Med Sci (diss) -- "The excretion of complete typhoid-fever antigen by the kidneys of dogs with changed and unchanged immunological reactivity". Samarkand, 1957. 12 pp (Second Moscow State Med Inst im N. I. Pirogov), 200 copies (KL, No 10, 1960, 137)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKBERDYYEV, M.

Renal excretion of the typhoid fever antigen during immunization in dogs [with summary in English]. Biul.eksp.biol. i med 45 no.4:91-95 Ap '58 (MIRA 11:5)

1. Iz kafedry patologicheskoy fiziologii (nauchnyy rukovoditel'-chlen-korrespondent AN SSSR A.D. Ado) II Gosudarstvennogo medtitsinskogo instituta (dir. - prof. O.V. Kerbikov), Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR L.A. Zil'berom.
(TYPHOID FEVER, immunology
renal excretion of typhoid fever antigen during immun. in dogs (Rus))

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKBERDYYEV, M.M.

ADO, A.D. (Moskva); POL'NER, A.A. (Moskva); KHAKBERDYYEV, M.M. (Moskva)

Renal excretion of large molecules. Usp. sovr. biol. 43 no.1:70-81 Ja-F '57 (MLRA 10:5)

(KIDNEYS) (MACROMOLECULAR COMPOUNDS)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

KHAKBERDYYEV, M.M.

Anaphylactogenic properties of cotton pollen. Nauch. trudy Samark. med. in-ta 21:131-136 '62. (MIRA 17:5)

1. Iz kafedry patologicheskoy fiziologii Samarkandskogo meditsinskogo instituta imeni Pavlova i iz kafedry patologicheskoy fiziologii 2-go Moskovskogo meditsinskogo instituta.

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

ASLIDDINOV, F.A., kand.med.nauk; RAKHIMOVA, M.K., dotsent; KHAKBERDYYEV, M.K., kand.med.nauk

Effect of lagochilin ester on the development and course of anaphylactic shock. Nauch. trudy SamMI 21:152-154 '62. (MIRA 17:5)

1. Iz kafedry normal'noy fiziologii Samarkandskogo meditsinskogo instituta imeni Pavlova.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKBERDYYEV, M.M., kand. med. nauk

Frequency of allergic diseases in the therapeutic clinics of the Samarkand Medical Institute. Nauch. trudy SamMI 23: 77-81 '63 (MIRA 17:3)

1. Iz kafedry patofiziologii Samarkandskogo meditsinskogo instituta i iz Nauchno-issledovatel'skoy allergologicheskoy laboratorii AMN SSSR.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKBERDYYEV, N. B.

KHAKBERDYYEV, N. B.: "On the problem of changes in the blood in Botkin's disease", Ashkhabad, 1955. Turkmen Medical Inst imeni I. V. Stalin. (Dissertation for the Degree of Candidate of Science of Medical Sciences)

SO: Knizhnaya Letopis', No. 41, 8 Oct 55

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KULIYEVA, A.K.; KHAKBERDYYEV, N.B.

Giardiasis infestations of the biliary tract. Zdrav. Turk. 4 no.4: 14-17 Jl-Ag '60. (MIRA 13:9)

1. Iz kafedry propedevticheskoy terapii (ispolnyayushchaya obyazannosti zav. - A.K. Kulieva) Turkmenskogo gosudarstvennogo meditsinskogo instituta im. I.V. Stalina.
(GIARDIASIS) (BILIARY TRACT—DISEASES)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KULIYEVA, A.K., kand.med.nauk; KHAKBERDYYEV, N.B., kand.med.nauk

Chronic cholecystitis. Zdrav. Turk. 5 no.2:38-40 Mr-Ap '61. (MIRA 14:5)

1. Iz kafedry propedevticheskoy terapii (ispolnyayushchiy obyazannosti zaveduyushchego - A.K.Kuliyeva) Turkmenskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina.
(BILARY TRACT--DISEASES)

APPROVED FOR RE

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKER, T.

Dissertation: "On the Longitudinal Stability of an Unsteady Motion of an Airplane." Cand Tech Sci, Moscow Order of Lenin Aviation Institute imeni Sergo Ordzhonikidze, 28 Jun 54. (Vechernyaya Moskva, Moscow, 18 Jun 54)

SO: Sum 318, 23 Dec 1954

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

L 18293-63 EWT(1)/BDS/ES(v) AEDC/AFFTC/ASD/APGC Pe-4 VH 59

ACCESSION NR: AP3001843 R/0016/63/008/002/0193/0216

AUTHOR: Khaker, T.

TITLE: Important problems in the theory of stability and control of aircraft (1). [Report of the Scientific-Technical Conference of Officers of the Headquarters of the Anti-Aircraft Defense of the Territory, Bucharest, 3-5 December 1962]

SOURCE: Revue de mecanique appliquae, v. 8, no. 2, 1963, 193-216

TOPIC TAGS: flight dynamics, stability theory, turbulent motion, automatic pilot, model, delay effect, programmed automatic pilot, computer

ABSTRACT: Three major points must be discussed when stability and control of aircraft are studied. These are: the theory of controllable movements, the need for construction of new mathematical models representing fundamentals of flight dynamics, and the application of computing machines in the stability theory. These three aspects are discussed by the author on the basis of extensive literature references. Stability of partially controllable movements can be represented by the S. Neumark model as improved by the author. This mathematical model is represented by a system of two equations of turbulent motion of a partially controlled aircraft. By means of these equations, based on two strict definitions, and of a theorem, stability

Card 1/3

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

L 18293-63
ACCESSION NR: AP3001843

of a dynamic system may be analyzed when it is partially controlled in its uniform or unstable movements. Another model may be constructed for an aircraft having an automatic pilot, i.e., an automatic stabilizer acting with the aircraft as a single dynamic system. There are here three types of actual problems to be dealt with. One type of problem occurs in nonlinear models. Here the absolute stability must be determined, which does not present particular difficulties. The other type of problem is that having to do with the effect of delays on aircraft stability. There are two solutions possible here: one is the solution to the first degree of approximation with reference to the delay; in the other solution recourse must be made to the operational technique applicable only to linear automatic systems. The third type of problem are those which are connected with programmed automatic piloting and optimal control. These may best be solved using the dynamic programming method developed by Bellman in the United States and the principle of maximum, the optimum principle, developed by L. S. Pontryagin in USSR. This very complex problem of stability and control of aircraft can be greatly helped in its solution by employing modern electronic computing machines. The modern computing methods are well developed and do not pose particular difficulties. Great assistance is derived from use of the Laplace transforms and the Routh-Hurwitz theory. These allow extension of solutions to problems beyond those where only linear equations with constant

Card 2/3

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKER, T. [Hacker, T.]

Present problems in the theory of aircraft stability and controllability. Pt.2. Rev mec appl 8 no.3:393-412 '63.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

SHKURSKIY, Yu.P., inzh.; KHAKHALESHVILI, G.I.

New double-deck passenger car. Zhel. dor. transp. 46 no.8:82-83 Ag '64. (MIRA 17:11)

1. Zamestitel' nachal'nika vagonnoy sluzhby Yuzhnoy dorogi (for Khakhaleshvili).

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

GOL'DIS, L.S.; KHAKHALEV, E.I.

Effectiveness of polyglucin in the treatment of shock. Probl. gematt. i perel. krovi 4 no. 10:57-59 O '59. (MIRA 13:8)

1. Iz Kurskoy oblastnoy stantsii perelivaniya Krovi (dir. - L.S. Gol'dis) i fakul'tetskoy khirurgicheskoy kliniki (zav. - M.G. Ruditskiy) Kurskogo meditsinskogo instituta.
(SHOCK) (BLOOD PLASMA SUBSTITUTES)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

ZEMSKOV, I.; KHAKHALEV, S., inzh.

United efforts. Pozh.delo 6 no.2:11 F '60. (MIRA 13:5)

1. Nachal'nik pozharno-vakterskoy okrany, Borovichi, Novgorodskaya oblast' (for Zemskov). 2. Nachal'nik Dobrovol'noy pozharnoy druzhiny Borovichi, Novgorodskaya oblast' (for Khakhalev).

(Novgorod Province--Factories--Fires and fire prevention)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

OTELIN, A.A., prof.; KHAKHALEV, E.I., aspirant

Method of hydraulic preparation of peripheral nerves. Sbor. trud. Kursk. gos. med. inst. no.16:122-124 '62.

(MIRA 17:9)

1. Iz kafedry normal'noy anatomii (zav. - prof. A.A. Atelin) Kurskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

SUSHKOV, Yu.N., assistent; KHAKHALEV, E.I., aspirant; OTELIN, V.A., student VI kursa

Method of the decalcification of the bony tissue. Sbor. trud. Kursk. gos. med. inst. no.16:129-131 '62. (MIRA 17:9)

1. Iz kafedry normal'noy anatomii (zav. - prof. A.A. Otelin) Kurskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

TAL'VIRSKIY, D.B.; KHAKHALEV, Ye.M.

Surface structure of the Pre-Jurassic basement in the lower Yenisey River according to seismic prospecting data (Yakuty—Ust'-Port). Geol. i geofiz. no.6:96-98 '61. (MIRA 14:7)

1. Severnaya kompleksnaya nefterazvedochnaya ekspeditsiya, st. Yermakovo Krasnoyarskogo kraya.
(Yenisey Valley—Seismic prospecting)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALEVA, O. V.

"Data on the Problem of Changes in the Bone Marrow During Cancer." Cand Med Sci, Stalingrad State Medical Inst, Stalingrad, 1953. (RZhBiol, No 8, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALEVA, O.V. (Stalingrad, TSentr. Sovetskaya ul. d.9, kv.4)

Bone marrow and peripheral blood changes in cancer. Vop.onk. 1 no.3: 118-121 '55. (MLRA 10:1)

1. Iz kafedry patologicheskoy anatomii Stalingradskogo meditsinskogo instituta (zaveduyushchiy kafedroy - prof. V.I.Vitushinskiy)
(NEOPLASMS, blood in, picture)
(BLOOD, picture, in neoplasms)
(BONE MARROW, in various diseases, cancer)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALEVA, O.V.

Malignization of a teratoma on the anterior mediastinum. Vop. onk. 2 no.1:97-100 '56. (MLRA 9:4)

1. Iz kafedry patologicheskoy anatomii Stalingradskogo meditsinskogo instituta (zav. kafedroy-prof. V.I. Vitushinskiy)

(MEDIASTINUM, neoplasms
teratoma, malignization)
(TERATOMA
mediastinum, malignization)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

USSR/General Problems of Pathology - Comparative Pathology. Tumors of Man.

Abs Jour : Ref Zhur - Biol., No 16, 1958, 75547

Author : Khakhaleva, O.V.

Inst

Title : Primary Sarcoma of the Heart.

Orig Pub : Vopr. onkologii, 1956, 2, No 5, 601-603

Abstract : A case of total sarcomatose involvement of the heart of a male 25 years old is reported. Clinical and pathoanatomical data is cited. In the total course of disease no signs of heart involvement were noted.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

IVANOVA, G.A., starshiy nauchnyy sotrudnik; KHAKHINA, L.P., starshiy nauchnyy sotrudnik; CHINENOVA, E.G., starshiy nauchnyy sotrudnik; PETKEVICH, V.P., starshiy nauchnyy sotrudnik; IYEVLEVA, I.A., mladshiy nauchnyy sotrudnik; MINKVITS, M.L., mladshiy nauchnyy sotrudnik

Industrial production of dried meat, a semiprocessed product for food concentrates. Trudy VNIIKOP no.10:109-115 '59. (MIRA 14:8)

(Meat, Dried) (Food, Concentrated)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIM, Nikolay Samsonovich; ARSHINOV, I.M., inzhener, redaktor; VERINA, G.P., tekhnicheskiy redaktor

[Manual for railroad car inspectors and train masters] Spravochnik osmotrshchiku vagonov i poezdnomu vagonnomu masteru. Moskva, Gos. transp. zhel-dor.izd-vo, 1955. 287 p. (MLRA 9:3)
(Railroads--Cars)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

AUTHORS: Khakhalin, B.D. (Candidate of Technical Sciences), and Smolyakov, A.N. (Engineer).

TITLE: Centrifugal Casting of 50-mm Cast Iron Rising Pipes (Tsentrobezhnaya otlivka 50-mm chugunnykh napornykh trub). 130-3-13/22

PERIODICAL: "Metallurg" (Metallurgist), 1957, No.3, pp.25-27 (U.S.S.R.).

ABSTRACT: Workers of the All-Union Tube Research Institute together with the Makeevskiy Tube-Casting Works have developed a centrifugal system of casting 50-mm cast-iron water-conduit tubes. The special features of this method are: 1) a very low proportion of metal waste, because of the low proportion of rejects and metal losses in casting; 2) good mechanical properties of the tubes, absence of decarburization and elimination of the need for subsequent heat-treatment; 3) low consumption of mould mixture in connection with the small dimensions of the tubes, and possibility of avoiding the use of expensive and quickly wearing dyes; 4) comparatively simple construction of the centrifugal-casting machine, enabling its operation to be fully automated. A type TsM-50/4 centrifugal casting machine was used. The mould mixture is fed in with the mould in the vertical position, centering being carried out afterwards. In continuous operation the mould is automatically rolled into the machine, brought into rotation and manually filled with a measured quantity of liquid cast iron. To ensure that the metal quickly distributes itself over the whole mould the machine is inclined at 1.5° to the floor.

The experience at the Makeevskiy Works was taken into account

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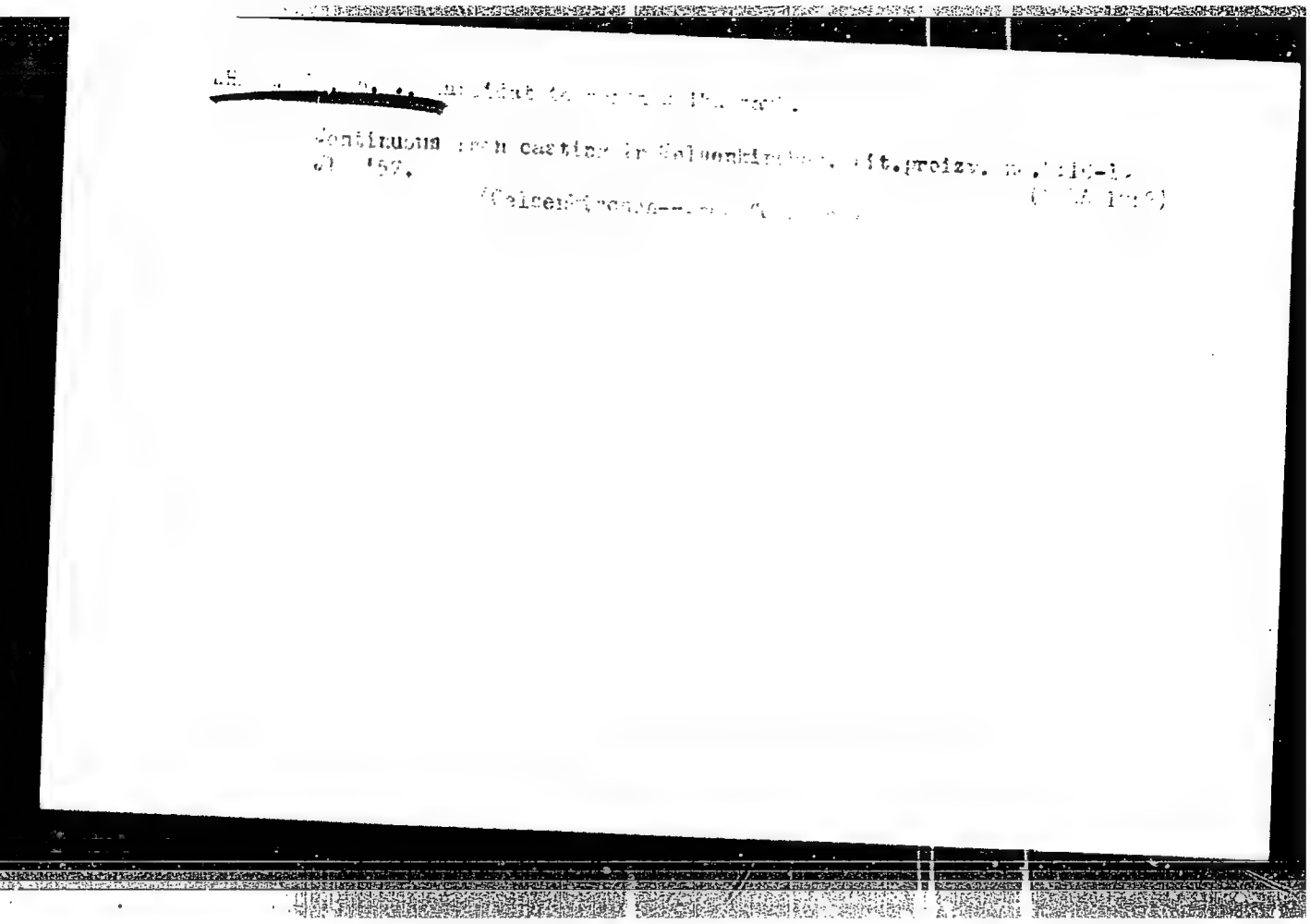

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, B.D.; FURS, B.A.; GORA, A.M.; SMOLYAKOV, A.N.

Centrifugal pipe casting. Lit. proizv. no.1:27-28 Ja '58.
(Centrifugal casting) (MIRA 11:2)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, B.D., kand.tekhn.nauk; BEZVERKHIY, P.A., kand.tekhn.nauk; TREGUBOV, A.V., inzh.

Parameters of liquid cast-iron feed in grooves for centrifugal pipe casting. Biul.nauch.-tekh.inform.VNITI no.4/5:113-125 '58. (MIRA 15:1)

(Pipe, Cast iron) (Founding)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

SCV/130-58-9-23/23

AUTHORS: Konstantinov, L.S. and Khakhalin, B.D., Candidates of Technical Sciences and Smolyakov, A.N., Engineer

TITLE: Centrifugal Casting of Cast-iron Tubes in the Chinese People's Republic (Tsentrobezhnaya otlivka chugunnykh trub v Kitayskoy Narodnoy Respublike)

PERIODICAL: Metallurg, 1958, Nr 9, pp 38 - 39 (USSR)

ABSTRACT: In the tube mill of the An'shan Metallurgical Combine, cast-iron water pipes 200-600 mm in diameter are cast centrifugally. The moulds are made on a special installation (Figure 1). Separate machines are used for casting pipes 200 and 250 mm in diameter (Figure 2) and those 300-600 mm in diameter (Figure 3). The authors outline the practice and tabulate the durations of the operations for pipes of various diameters. The inner surface of the pipes is cleaned with an emery wheel. There are 4 figures and 1 table.

Card 1/1 1. Pipes--Casting 2. Cast iron--Applications 3. Centrifuges --Applications

USCOMM-DC-55789

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

18(5)

SOV/128-59-6-12/25

AUTHOR: Khakhalin, B.D., Candidate of Technical Sciences, Smolyakov, A.N., and Iskra, B.A., Engineers

TITLE: On the Question of Unequal Wall Thickness of Centrifugally Cast Pipes

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 6, pp35 - 37 (USSR)

ABSTRACT: Presently, two basic pouring methods (for centrifugal casting of coat iron water pipes) are used: sand molds and chilled metal dies. When pouring metal dies, the walls of the pipes differ in their thickness, those differences being greater than when pouring in sand molds. Probably this has been generated either by the imperfect casting method or by the imperfection of the pipe spinning machine. The author made one experiment to cast pipes of 300 mm in diameter on a pipe spinning machine type NIILITMAsh, 5.430 mm model, to determine the influence of the technological and the constructive factors on the thickness of the walls of the pipes. A typical result of the 37 tests made was that the

Card 1/2

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On the Question of Unequal Wall Thickness of Centrifugally Cast Pipes

thickness of the walls was thinner at the funnel-shaped openings and at the smooth ends of the pipes, than at the center or half-length. Three tables list the results gained on various wall thickness. These results are to be explained by the difference in speed of the rotations, by the difference in spreading the liquid metal, and by the irregular flow of the metal (controlled upon estimation by sight). Based upon these tests, a table had been established serving as a practical guide when centrifugally casting water pipes. It establishes the different thicknesses of the wall (given in mm) by the variation of the speed of the pipe spinning machine(given in m/sec) for the distance (given in meter) from the funnel-shaped opening ... to the smooth end of the pipe. To achieve this relation in a mechanical way the authors designed a spinning machine with hydraulic control regulating the flow of the liquid metal according to the speed of the pipe spinning machine. There are 6 graphs, 2 diagrams,and 7 tables

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

Khakhalin, B.D.

18(5,7)

AUTHOR: Konstantinov, L.S., Paykov, A.I., Kanevskaya, T.B., Candidates of Technical Sciences; Lebedev, K.P., Assistant Professor, Levin, V.M., Novikov, P.G. Rosenfel'd, S.Ye. and Khakhalin, B.D., Candidates of Technical Sciences

SOV/128-59-6-23/25

TITLE: Letter to the Editor

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 6, pp 44-46

ABSTRACT: The authors begin their letter to the author by listing the difficulties, when explaining the basic terms of mechanics and generally of every science. Since the time of Newton there existed difficulties in explaining and formulating correctly the term "power". With the development of the sciences during the recent years these difficulties have become even greater. The Academician, B.N. Bar'yev is quoted from his book "Attempted new Formulation of the Basic Laws on Mechanics by Newton", Printing Office Academy of Sciences (USSR) 1952. But these new theories have had no influence on the practical work of the engineer. In the field of centrifugal casting B.I. Loshkarev has written an article (published in Liteynoye Proizvodstvo, Nr 6, 1957), in which he made the following statements: 1) Metal is not influenced by centrifugal force and, therefore, the existing theories on centrifugal casting, based on centrifugal forces, do not correspond to the physical properties of the process. 2) The theory of centrifugal casting is not confirmed by his experiments; 3) The factors of centrifugal casting are to be explained by other factors, like: tendency forces, speed of chilling, temperature of the metal, process of crystallisation. The authors refute the statements of Loshkarev and call his comprehensions "unintelligible" and "unfounded". There are 1 diagram and 9 Soviet references.

Card 1/2

Card 2/2

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

S/123/61/000/004/014/027
A004/A104

AUTHORS: Bezverkhiy, P. A., and Khakhalin, B. D.

TITLE: Analysis of the thermal condition of water-cooled metallic molds of centrifugal pipe casting machines

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 4, 1961, 19, abstract 40146. ("Tr. Ukr. n.-i. trubn. in-ta", 1959, no. 1, 201-217)

TEXT: Based on the successive investigation of the heat transfer conditions from the casting to the mold (metallic mold uniformly water-cooled from the outside) and from the mold to the water, the author derives calculation formulae for the approximate determination of the mold temperature, their variation with time and with the duration of the cycle. Methods of a more accurate analysis are indicated which lead to the calculation of the alternating thickness of mold walls for the balancing of the thermal condition of mold and casting over their length. It is pointed out that the obtained formula and given recommendations can be utilized for an improvement of the technology of centrifugal pipe casting and the design of new machines. There are 9 figures and 3 references. S. Zhukovskiy

[Abstractor's note: Complete translation]

Card 1/1

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

S/123/61/000/012/026/042
A004/A101

AUTHOR: Khakhalin, B. D.

TITLE: On the problem of speed distribution in the circular flow of liquid melts in horizontal centrifugal casting

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 12, 1961, 22, abstract 120137 ("Tr. Ukr. n.-i. trubn. in-ta", 1959, no. 2, 147-155)

TEXT: The author investigated to which extent the conditions of liquid metal motion in a mold rotating around a horizontal axis affect the nature and density of the crystalline structure, the mechanical properties and the absence of defects in the castings. The tests were carried out on a simulator where simulating viscous liquids (e.g. mixtures of water and glycerine) were poured in at definite revolution numbers of molds n_m, while the rotation speeds of individual liquid layers n_1 were measured. The author presents a graph (in logarithmic coordinates) of the dependence $\frac{n_m - n_1}{n_m}$ on the similarity criterion $\frac{\nu\tau}{R^2}$ for different ratios $\frac{R_1}{R_m}$ at definite pouring rates and liquid viscosity (ν^m - mean value of the magnitude of kinematic viscosity; τ - time interval since

Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

POPOV, Andrey Dmitriyevich; SOMINSKIY, Zel'man Abelevich; KHAKHALIN, Boris Dmitriyevich; EL'BERT, Semen Moiseyevich; FILIPPOV, A.S., kand. tekhn. nauk, retsenzent; DUGINA, N.A., tekhn. red.

[Continuous pouring of cast iron] Nepreryvnoe lit'e chuguna. Moskva, Mashgiz, 1961. 110 p. (MIRA 14:11)
(Continuous casting) (Cast iron)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, B.D.; SMOLYAKOV, A.N.

Quality of the external surface of cast iron water pipes. Lit. proizv. no.3:6-7 Mr '61. (MIRA 14:6)
(Iron founding--Quality control)
(Pipe, Cast iron)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, B.D.; IVANOV, V.G.

Industrial experience in improving the properties of cupola iron during its mixing. Lit. proizv. no.8:1-5 Ag '61. (MIRA 14:7)

(Cast iron—Metallurgy)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

BORODAYEVSKIY, Ye.T.; DVOSKIN, S.M.; KHAKHALIN, B.D.; IVANOV, V.G.

Use of steel water-cooled chills for the centrifugal casting of pipe. Lit.proizv. no.11:5-7 N '61. (MIRA 14:10)
(Centrifugal casting--Equipment and supplies)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, B.D.; SHIYAN, V.G.

Stresses in chills during the centrifugal casting of iron tubes.
Lit.proizv. no.11:26-27 N '61. (MIRA 14:10)
(Centrifugal casting) (Thermal stresses)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, B.D.; SPIVAKOVSKIY, L.I.; OSADCHAYA, V.S.; IVANOV, V.G.

Technical and economic indices for the production of steel and cast iron pipe. Lit.proizv. no.9:10-11 S '62. (MIRA 15:11)
(Pipe) (Founding--Accounting)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, B.D., kand. tekhn. nauk; SMOLYAKOV, A.N., inzh.; SHIYAN, V.G., inzh.; SEMKO, V.I., inzh.

Improving the process of centrifugal casting of cast-iron pipes. Mashinostroenie no.5:64-68 S-O '63. (MIRA 16:12)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, B.D., kand. tekhn. nauk; KHOKHLOV, P.L., inzh.; SHIYAN, V.G., inzh.

Developing the technology of pipe production from high-strength cast iron by the centrifugal method. Proizv. trub no.10:71-75 '63. (MIRA 17:10)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

IVANOV, Vladislav Grigor'yevich; FHAKHALIN, Boris Dmitriyevich; SHIYAN, Vladimir Grigor'yevich; NIKOLAYEVSKIY, Yu.I., retsenzent

[Steel molds for the centrifugal casting of pipe] Stal'nye formy dlia tsentrobezhnogo lit'ia trub. Moskva, Izd-vo "Metallugiia," 1964. 70 p. (MIRA 17:7)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

IV NOV, F.G., kand. tekhn. nauk; KHAKHALIN, B.L., kand. tekhn. nauk

[illegible] of cast iron pipe for water pipelines. [illegible] mekh. i avtomat. proizv. no.4:47-49 Jl-Ag '65. (MIRA 18:8)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, Lev Aleksandrovich; GABIS, Ye.N., red.; TIKHONOVA, I.M., tekhn. red.

[Master of the night sky] Khoziain nochnogo neba. Leningrad, Leninzdat, 1961. 101 p. (MIRA 15:4)
(Fedorov, Evgenii Petrovich)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, N.M.

Work on electric-drainage protection of the Tuymazy-Ufa gas pipeline.
Gaz.prom. no.9:28-30 S '57. (MIRA 10:10)
(Gas, Natural--Pipelines) (Electrolytic corrosion)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

VASIL'YEV, Ivan Prokhorovich; KHAKHALIN, Nikolay Sergeyevich; BOCHARNIKOVA, K.N., redaktor; inzhener, KHITROV, P.A. tekhnicheskiy redaktor.

[Economizing on wood in reparing freight cars] Ekonomiia lesomaterialov pri remonte vagonov. Moskva, Gos.transp. zhel-dor.izd-vo, 1955. 93 p. (MLRA 8:11)
(Railroads--Freight cars)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, Nikolay Samsonovich; ARSHINOV, I.M., inzhener, redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Manual for railroad car inspectors and train masters] Spravochnik osmotrshchiku vagonov i poezdnomu vagonnomu mastern. Izd.2-oe, ispr.i dop. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 351 p. (MIRA 10:11)

(Railroads--Cars)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, Nikolay Samsonovich; ARSHINOV, I.M., inzh., red.; VERINA, G.P., tekhn.red.

[Handbook for the railroad car inspector and train car repairman] Spravochnik osmotrshchiku vagonov i poezdnomu vagonnomu masteru. Izd.3., ispr. i dop. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 359 p. (MIRA 12:12)
(Railroads--Cars--Maintenance and repair)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, Nikolay Samsonovich; ARSHINOV, I.M., inzh., red.; VERINA, G.P., tekhn.red.

[Manual for car inspectors] Spravochnik osmotrshchiku vagonov. Izd.3., ispr. i dop. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 359 p. (MIRA 13:10)
(Railroads--Cars--Maintenance and repair)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V.

How to develop under field conditions. Sov.foto 22 no.10:37 O '62. (MIRA 15:11)
(Photography--Developing and developers)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHARKHALIN V.D.
p. 2

25(1) PHASE I BOOK EXPLOITATION SOV/1745

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Kiyevskoye oblastnoye upravleniye

Peredovaya tekhnologiya liteynogo proizvodstva (Advanced Technology of Casting Production) Kiyev, Mashgiz, 1958. 152 p. 6,000 copies printed.

Ed.: V. K. Serdyuk; Tech. Ed.: Ya. V. Rudenskiy; Editorial Board: A.Ya. Artamonov, K. I. Vashchenko (Resp.Ed.), S. Sh. Zaslavskiy, and B. V. Polyak; Chief Ed. (Yuzhnoye Division, Mashgiz): V. K. Serdyuk, Engineer.

PURPOSE: This book is intended for engineering personnel of foundries, and workers of scientific research institutions.

COVERAGE: This book is a collection of articles and papers given by representatives of plants, scientific-research institutes, and vuzes on problems of advanced methods of production and mechanization of the foundry industry at a conference organized by the Kiyev o'blast Board of NTO (Scientific Engineering Section) of the machine-building industry and the Institute of Mechanical Engineering of the Academy of Science, Ukrainian SSR. Experience gained in centrifugal

Card 1/6

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

pipe precision investment casting, shell-and metal-mold casting, use of materials preventing scorching, quick drying mold mixtures [blends], and problems of mechanization and automation of foundry processes are covered in this book. An article by N.Kh. Ivanov, deals with a new cast iron welding method developed by the author with the assistance of electrowelder G. A. Pirozhenko, and called "cold electric welding of cast iron by means of a metal electrode with an indirect arc action." As the title indicates, the arc acts only indirectly on the welded metal passing between the electrode and the build-up metal. Such welding insures shallow fusion of the cast iron. The formation of a cementite surface layer is either absent or limited to a very thin layer of not more than 0.2 mm., making for easy mechanical working. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

S/123/60/000/020/010/019
A005/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 20, p. 194, # 111048

AUTHOR: Khakhalin, V. D.

TITLE: Centrispinning of Pipes

PERIODICAL: V sb.: Peredovaya tekhnol. liteyn. proiz-va. Kiyev-Moscow, Mashgiz, 1958, pp. 5-15

TEXT: A historical information is given on the centrispinning of pipes; the centrispinning machines are described for casting pipes in sand fettled molds; tables are presented characterizing the economy of the centrispinning of pipes. There are 3 figures.

Translator's note: This is the full translation of the original Russian abstract.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

Name: KHAKHALIN, V.S.

Author of book, "Operation of Power Electron Tubes." The following topics are covered: essential physical processes involved in the operation of power electron tubes, plus the maintenance and construction of power electron tubes. This book is particularly designed for qualified personnel working in this field.

REF: Radio Front #15-16, p.96, 1938

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V. S.

"Problem of the Superstructure of Radiosonde Antennas," Works of Sci-Res Institution of the Main Administration of the Hydrometeorological Service USSR, Series III, No 1, 1946 (67-68).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V. S.

"Spring (Elastic) Weights for Ball-Pilots and Radiosonde Shells," Works of Sci-Res Institution of the Main Administration of the Hydrometeorological Service SSSR, Series III, No 1, 1946 (68-70).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V. S.

"The RB Radiosonde (From Prize Models)," Works of Sci-Res Institution of the Main Administration of the Hydrometeorological Service USSR, Series III, No 1., 1946 (73-76). (Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V. S.

22382 KHAKHALIN, V. S. INDIKATORY TOKA V ANTENNE RADIOZONDA. TRUDY TSENTR. AEROL. OBSERVATORII, VYP. 4, 1949, S. 181-82

SO: LETOPIS' No. 30, 1949

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V.

Simple sound pick-up for long-playing records. Radio no.8:44 Ag '54.
(Phonograph) (MLRA 7:8)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V. (st.Dolgoprudnaya)

Endless tape for sound-recording mechanisms. Radio no.12:63 D '54. (MLRA 8:1)
(Magnetic recorders and recording)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, Viktor Stepanovich; STERNZAT, M.S., redaktor; FATEYEV, N.P., redaktor; YASNOGORODSKAYA, M.M., redaktor; FLAUM, M.Ya., tekhnicheskiy redaktor.

[Radiosondes] Radiozondy. Leningrad, Gidrometeorologicheskoe izd-vo, 1955. 74 p. (MLRA 9:6)

(Radiosondes)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V.S.

Subject : USSR/Meteorology and Hydrology AID P - 1876

Card 1/1 Pub. 71-a - 19/26

Author : Khakhalin, V. S.

Title : USSR - fatherland of radio sounding (25 years of radio sounding of the atmosphere)

Periodical : Met. i gidro., no.2, 48-51, 1955

Abstract : A historical review of the growth and development of the use of radio sounding for atmospheric observation. The article mentions that the idea of using radio sounding for meteorological observations was first expressed by professor Molchanov in his brochure The Air Ocean (1923). The author expresses the hope that radio sounding and radio location will be developed further for the use of meteorologists.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, V. S.

Subject : USSR/Meteorology AID P - 2610

Card 1/1 Pub. 71-a - 13/26

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

Author : Khakhalin, V. S.

Title : Improving operation of a standard Assmann psychrometer by using cylindrical lenses

Periodical : Met i gidr, 4, 48, Jl/Ag 1955

Abstract : The article recommends the use of two convective metal lenses fitted to the psychrometer in order to permit easier reading of the instrument. A drawing of the psychrometer is attached.

Institution : None

Submitted : No date

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALIN, Viktor Stepanovich, kandidat tekhnicheskikh nauk; KOSTAREV, V.V., otvetstvennyy redaktor; VLASOVA, Yu.V., redaktor; BRAYNINA, M.I., tekhnicheskiy redaktor

[Radio engineering in aerology] Radiotekhnika v aerologii. Leningrad, Gidrometeor.izd-vo, 1957. 263 p. (MLRA 10:7)
(Radiosondes) (Radar meteorology)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

SOLOMIN, Viktor Kirillovich; KHAKHALIN, V.S., red.; VORONIN, K.P., tekhn.red.

[Construction of electric musical instruments] Konstruirovanie elektromuzykal'nykh instrumentov. Moskva, Gos. energ. izd-vo, 1958. 63 p. (Massovaia radiobiblioteka, no.310) (MIRA 12:2)
(Musical instruments, Electronic)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

3(7),8(1)

AUTHORS: Leonov, V. S., Bulichev, V. N., Groshev, P. M., Khakhalin, V. S. SOV/50-59-1-11/20

TITLE: Restoring Long-Stored Dry Batteries for Radio Sondes (Vosstanovleniye dolgo khranivshikhsya sukhikh batarey pitaniya radiozondov)

PERIODICAL: Meteorologiya i gidrologiya, 1959, Nr 1, pp 49-50 (USSR)

ABSTRACT: The anode battery GB-70 Nr 2, and the filament battery BON-3, which are used for the transmitter of radio sondes, have a storing period of one year. But often they are stored much longer, 2 to 3 years, and are then useless owing to self-discharge and drying up of the electrolyte liquid. In spite of this, they should not be discarded. They can be recharged with the rectifier of a radio set or with a car battery while the elements of the battery are supplied with water from an injector (syringe). Such restored batteries are sometimes more efficient than fresh ones which were not treated in this way. The paper gives further details on measuring the charging-current intensity and voltage, as well as controlling the temperature while charging.

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USOL'TSEV, Vladimir Aleksandrovich; KHAKHALIN, V.S., kand.tekhn.nauk, otv.red.; USHAKOVA, T.V., red.; FLAUM, M.Ya., tekhn.red.

[Measurement of atmospheric humidity; methods and instruments] Izmerenie vlazhnosti vozdukha; metody i pribory. Leningrad, Gidrometeor.izd-vo, 1959. 181 p. (MIRA 13:1)
(Hygrometry)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

PHASE I BOOK EXPLOITATION SOV/3820

Khakhalin, Viktor Stepanovich

Sovremennyye radiozondy (Modern Radiosondes) Moscow, Gosenergoizdat, 1959. 61 p. (Series: Massovaya radiobiblioteka, No. 354) 27,000 copies printed.

Ed.: F. I. Tarasov; Tech. Eds: P. M. Asanov; and G. Ye. Larionov; Editorial Board of Series: A. I. Berg, F. I. Burdeynyy, V. A. Burlyand, V. I. Vaneyev, Ye. N. Genishta, I. S. Dzhigit, A. M. Kanayeva, E. T. Krenkel', A. A. Kulikovskiy, A. D. Smirnov, F. I. Tarasov, and V. I. Shamshur.

PURPOSE: This booklet is intended for radio amateurs and the general reader who is interested in modern engineering.

COVERAGE: The author gives basic information on the atmosphere and methods of its study, and briefly describes the radiosonde. Various telemetering devices used in radiosonde technique are also discussed. Existing types of Soviet and foreign radiosondes are described. No personalities are mentioned. There are no references.

Card 1/3

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Modern Radiosondes SOV/3820

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KHAKHALIN, V. (g.Dolgoprudnyy, Moskovskoy oblasti)

Underwater radio reception. Radio no.12:35 D '60. (MIRA 14:1)
(Radio—Receivers and reception)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

3(7)

AUTHORS: Khakhalin, V. S., Pobiyakho, V. A.

S/050/60/000/02/010/016
B007/B005

TITLE: 30 Years of Radiosondes

PERIODICAL: Meteorologiya i gidrologiya, 1960, Nr 2, pp 45-47 (USSR)

ABSTRACT: The first radiosonde was started in January 1930 by the Pavlovskaya (Slutskaya) aerologicheskaya observatoriya GGO (Pavlovsk (Slutsk) Aerological Observatory of the GGO) near Leningrad. It was produced by a collective under the direction of Professor P. A. Molchanov. The different systems of radiosondes were compared on an international level in Switzerland in 1950 and 1956. The technical characteristics of radiosondes are pointed out here. Due to the development of radioelectronics, it was possible to work out systems of radiosondes with a combined transmitter and receiver, as well as an automatic receiver on the ground, and computers for the evaluation of results. The radiosonde envelope was improved by treatment with hydrocarbon vapors permitting greater altitudes. At present, these balloons climb up to 20-22 km. Air traffic, however, demands reports from altitudes of up to 35 km attained by radiosondes only rarely. Some hints to further improvements of radiosondes are

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given here. To increase the climbing speed (beyond 400-450 m/min) it is recommended to feed the radiosonde from a ground "feeding" source. Up to now, there are no examples of such a use of ground sources, but in principle such a system is well possible. With the increase in climbing power, the time required for evaluating the radiosonde signals also increases. To solve this problem thoroughly, it is recommended to work out new high-speed radiosondes with inertialess transmitters. For a quicker evaluation of data, it is convenient to use automatic computers. With an increase in the height of rise, the method of determining the pressure must be thoroughly improved too. It is recommended to determine the altitude of the radiosonde by the principle of aircraft altimeters. It is pointed out that up to date no radiation method has been found to determine the atmospheric moisture. Reserve canals for remote measurement in the radiosonde, and transmitters corresponding to these canals must also be developed.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

ACCESSION NR: AT4038812 S/2778/63/000/011/0067/0075

AUTHOR: Varzhenevskiy, N. S.; Khakhalin, V. S.

TITLE: The PK3-1A radiosonde humidity transducer

SOURCE: Leningrad. Nauchno-issledovatel'skiy institut gidrometeorologicheskogo priborostroyeniya. Trudy*, no. 11, 1963, 67-75

TOPIC TAGS: hygrometer transducer, PK3-1A radiosonde, radiosonde humidity transducer, organic diaphragm transducer

ABSTRACT: A new organic membrane-type hygrometer has been developed at the Scientific Research Institute for Hydrometeorological Instrument Design (NII GMP) in cooperation with the Central Aerological Observatory (TsAO) and the Sverdlovsk Plant of Hydrometeorological Instrument Design, to be used with PK3-1A radiosondes. Two models were built: one with a helical return spring, and the other with a torsion spring. The transducer consists of

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ACCESSION NR: AT4038812

an organic membrane in the form of a truncated cone (serous membrane of bovine appendix) which expands and contracts by 3.5% with humidity changes of from 0 to 100%. Changes in the membrane are transmitted to a rheostat which converts them into humidity readings. This unit has the following parameters: range of humidity measurements from 10% to 100% at temperatures ranging from -60° to +35°; measurement accuracy of ±5% at above-zero temperatures, and ±10% at temperatures below -30; instrument lag of 10—12 sec; operationally stable at accelerations not exceeding 2 G's; the weight of unit, not in excess of 50 grams. The instrument lag can be reduced by providing forced ventilation to the sensor. Two units carried aloft by PK3-1A and A-22-III radiosondes were tested in 1961 at the Central Aerological Observatory. The readout differences between the two units amounted to 4% with occasional differences of up to 17% which probably could be attributed to transmission errors and poor synchronization.

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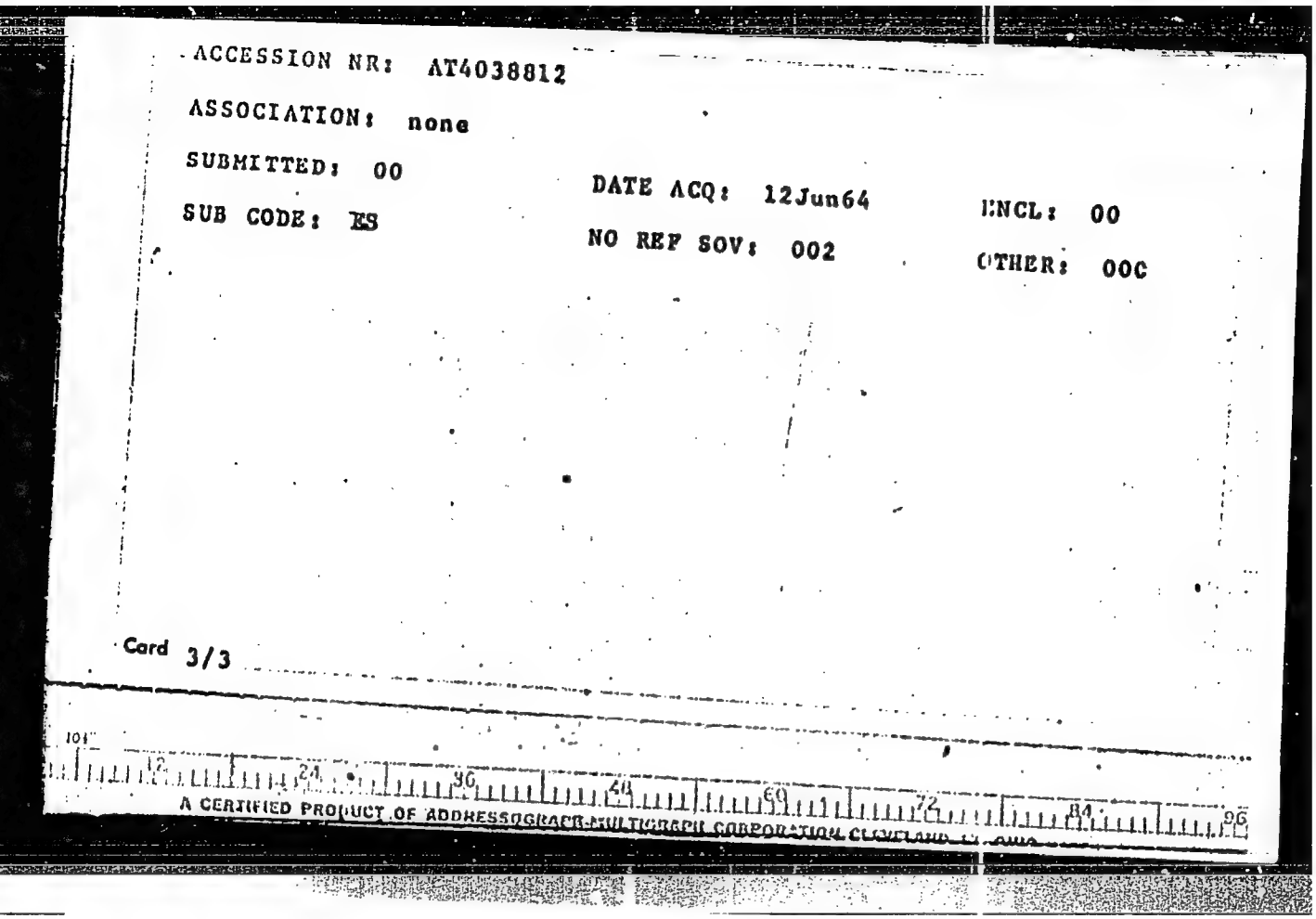

ACCESSION NR: AT4038812

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 12Jun64 ENCL: 00

SUB CODE: ES NO REF SOV: 002 OTHER: 00C

Card 3/3

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MAKLAKOV, Afanasiy Fedorovich; KHAKHALIN, Vasiliy Stepanovich; BELEN'KAYA, L.L., red.

[Modern techniques of studying the atmosphere; radiosondes, rockets, artificial earth satellites] Sovremennaia tekhnika issledovaniia atmosfery; radiozondy, rakety, iskusstvennye sputniki Zemli. Leningrad, Gidrometeoizdat, 1964. 129 p. (MIRA 17:12)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

VARZHENEVSKIY, N.S.; KHAKHALIN, V.S.

Humidity transducer of the RKZ-1A radiosonde. Trudy NIIGMP no.11:67-75 '63. (MIRA 18:1)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALINA, A. N.

USSR/Metals - Cast Iron, Casting, Nov 51
Methods

"Production-Economic Indexes of Casting Cast-Iron Pipes by Centrifugal Method," A. N. Khakhalina, Cand Econ Sci, Dnepropetrovsk Metallurgical Inst

"Litey Proizvod" No 11, pp 7-9

Reviews all existing centrifugal methods for casting pipes and attempts to single out most expedient technological process. Casting into all-metal intensively cooled molds is recognized

198T78

USSR/Metals - Cast Iron, Casting, Nov 51
Methods (Contd)

as most efficient method for mass production of cast-iron pipes. Centrifugal casting into sand-lined molds is adaptable for fabricating small-diam water pipes and thin-walled sewers.

198T78

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALINA, A. N.; IVANOVA, L. G.

Effect of silicon and sulfur content in converter iron on the economics of blast furnace practice. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:191-196 '64. (MIRA 17:5)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALINA, A.N.; IVANOVA, L.G.

Substitutes of open-hearth iron ore and their comparative economic evaluation. Izv. vys. ucheb. zav.; chern. met. no.10: 191-196 '60. (MIRA 13:11)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Open-hearth process) (Sintering)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

BRYUKHANENKO, B.A., dotsent, kand. ekonom. nauk; BEN', T.G.; GERSHTENKERN, S.Ya.; KAGAN, I.S.; PRAVDIN, M.V.; STOGNIY, A.F.; KHAKHALINA, A.N.; CHERNIKHOV, V.S.; KOBYLYAKOV, I.I., dotsent, kand. ekonom. nauk; SHIRYAYEV, P.A., kand. ekonom. nauk

"Economic aspects of ferrous metallurgy" by N.P. Bannyi, V.B. Brodskii, IA.A. Oblomskii, V.V. Rikman, L.N. Roitburd. Reviewed by B.A. Briukhanenko and others. Stal' 22 no.6: 562-565 Je '62. (MIRA 16:7)

1. Dnepropetrovskiy metallurgicheskiy institut (for Ben', Gershtenkern, Kagan, Pravdin, Stogniy, Khakhalina, Chernikhov). 2. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz (for Kobylyakov).

(Iron industry) (Steel industry)
(Brodskii, V.B.) (Oblomskii, IA.A.)
(Rikman, V.V.) (Roitburd, L.N.)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALINA, Anastasiya Nikolayevna; BEL'GOL'SKIY, Boris Petrovich; SHIRYAYEV, P.A., red.; LEVIT, Ye.I., red.izd-va; KARASEV, A.I., tekhn. red.

[Economics, organization and planning of steal production in open-hearth furnaces] Ekonomika, organizatsiia i planirovanie martenovskogo proizvodstva stali. Moskva, Metallurgizdat, 1964. 199 p. (MIRA 17:4)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

KHAKHALINA, A.N., kand. ekonom. nauk; IVANOVA, L.G.

Economic efficiency of using cast iron with a decreased content of silicon and sulfur in open-hearth furnaces. Met. i gornorud. prom. no.6 22-24 N-D '64.
(MIRA 18:3)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

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KHAKHALINA, A.N., dotsent, kand. ekonom. nauk; IVANOV, L.G., inzh.

Investigating the effect of the chemical composition of basic pig iron on the technical and economic indices of blast furnace and open-hearth smelting by the multiple correlation method. Stal' 24 no.9:852-855 S '64. (MIRA 17:10)

1. Dnepropetrovskiy metallurgicheskiy institut.

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TYNALIYEVA, T.A.; KHAKHALINA, I.M.

Discovery of dysentery microbes in swimming pools of the "Labor Reserves" Stadium in Frunze. Sov.zdrav.Kir. no.2:50-51 Mr-Ap '58. (MIRA 12:12)

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigiyeny (dir. - kand.med.nauk V.M. Perelygin).
(FRUNZE--SWIMMING POOLS--HYGIENIC ASPECTS)
(DYSENTERY)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6"

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KHAKHALINA, I.M.

Hygienic problems of the climate and microclimate of Frunze; report No.1. Sov. zdrav. Kir. no.2:44-49 Mr-Ap '62. (MIRA 15:5)

1. Iz Kirgizskogo instituta epidemiologii, mikrobiologii i gigiyeny (direktor - kand.med.nauk V.M.Perelygin).
(FRUNZE--CLIMATE)

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Защ. 1956, 18.2.

716. Векуа Илья Несторович. Распространение упругих колебаний в бесконечном слое. 1937.
Защ. 1937, 5. 6.

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Защ. 1953, 26.12.

718. Гвазава Константин Лукич. О некоторых предельных теоремах для двойных рядов. 1957. 60[3] с.
Защ. 1957, 14.9.

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Защ. 1954, 27.11.

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Защ. 1937, 9. 10.

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722. Магнарадзе Леван Георгиевич. Некоторые основные граничные задачи математической физики для контуров с угловыми точками. 1939, 68 с.
Защ. 1939, 23.6.

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Защ. 1938, 17.5.

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Защ. 1954, 27.5.

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Защ. 1940, 22.4.

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Защ. 1942, 26.2.

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Защ. 1954, 29.6.

Dissertation for degree of

Candidate Mathematical Sciences

Def. at
Tbilisi State U.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

PAVLOV, V.V.; KRAKHALKIN, I.S.

Application of endotracheal anesthesia. Zdrav. Kazakh. 23 no.4: 10-13 '63. (MIRA 17:5)

1. Iz bol'nitsy No.2 g. [illegible].

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KHAKHALOV, S. P.

7824. KHAKHALOV, S. P. -- Ferma serebristo-chernykh lisits. /Rasskaz zverovoda kolkhoza "put'lenina" Chkal. Rayona. Lit. obrabotka A. N. Mironova/. Gor'kiy, Kn. izd., 1954. 31s. s ill. 14 sm. (Upr. S.-Kh. Propagandy I nauki. Peredoviki zhivotnovodstva o svoyem opyte). 2.000 Ekz. Besp1.-- Vlozhena s 9-yu drugim. Knigami etoy serii v futlyar s zagl. Serii.- /55-3953/ p 636.934 st(47.37)

SO: Knizhnaya Letopis', Vol. 7, 1955

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710007-6

29454
S/081/61/000/017/159/166
B117/B110

15 8520

AUTHORS: Tseloval'nikov, I. I., Khakhalov, V. A.

TITLE: Mechanical characteristics of aged foliated viniplast

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1961, 547-548, abstract 17Ш22 (Tr. Buryatsk. zoovet. in-ta, no. 14, 1959, 67-69)

TEXT: The effect of time and temperature upon the mechanical characteristics of foliated viniplast (FV) was studied by storing fresh FV samples for 32 and 36 months at ~20°C, and part of them for 36 months at Irkutsk and Ulan-Ude (temperatures were measured between -45° and 30°C), without exposing them to direct solar irradiation. As a result of sample tests, it was found that a protracted storage of FV under considerable temperature fluctuations reduces the relative elongation in breaking tests, without appreciably impairing the strength of the material. A comparison of test results obtained from a protracted storage of FV samples at ~20°C and under strong temperature fluctuation conditions showed that the mechanical

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Mechanical characteristics of aged...

characteristics of FV are influenced most by the latter conditions, not by the storing time. [Abstracter's note: Complete translation.]

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